

## Line Impedance Stabilization Network for Conducted Emissions Testing of GCPCs



TESEQ introduces a new Line Impedance Stabilization Network (LISN) for conducted emissions testing of Grid Connected Power Conditioners (GCPC). The DC-LISN-M2-25-V1 is designed for measuring unsymmetrical disturbances on DC power ports in the frequency range from 150 kHz to 30 MHz.

Research results have shown that a typical artificial mains V-network as described in CISPR 16-1-2 cannot be used for the assessment of unsymmetrical disturbances of a photovoltaic inverter's DC port. CDNs based on IEC/EN 61000-4-6 are typically not specified for high common-mode currents and differential mode disturbances. Additionally, they are undefined below 150 kHz.

The TESEQ DC-LISN-M2-25-V1 provides enhanced LISN performance with a common-mode impedance of 150  $\Omega$  and a differential-mode impedance of 100  $\Omega$ . Further, the DC-LISN offers defined termination impedance in the frequency range of 1 kHz to 150 kHz.

The DC-LISN-M2-25-V1 conforms to the requirements of AK 767-11-13-2010-0079 published in December 2010 by the German standard working group 767.11.13 - EMC of Grid Connected Power Conditioners - GCPC.

For further information please visit TESEQ's website at [www.teseq.com](http://www.teseq.com) [1].

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[1] <http://www.teseq.com>

